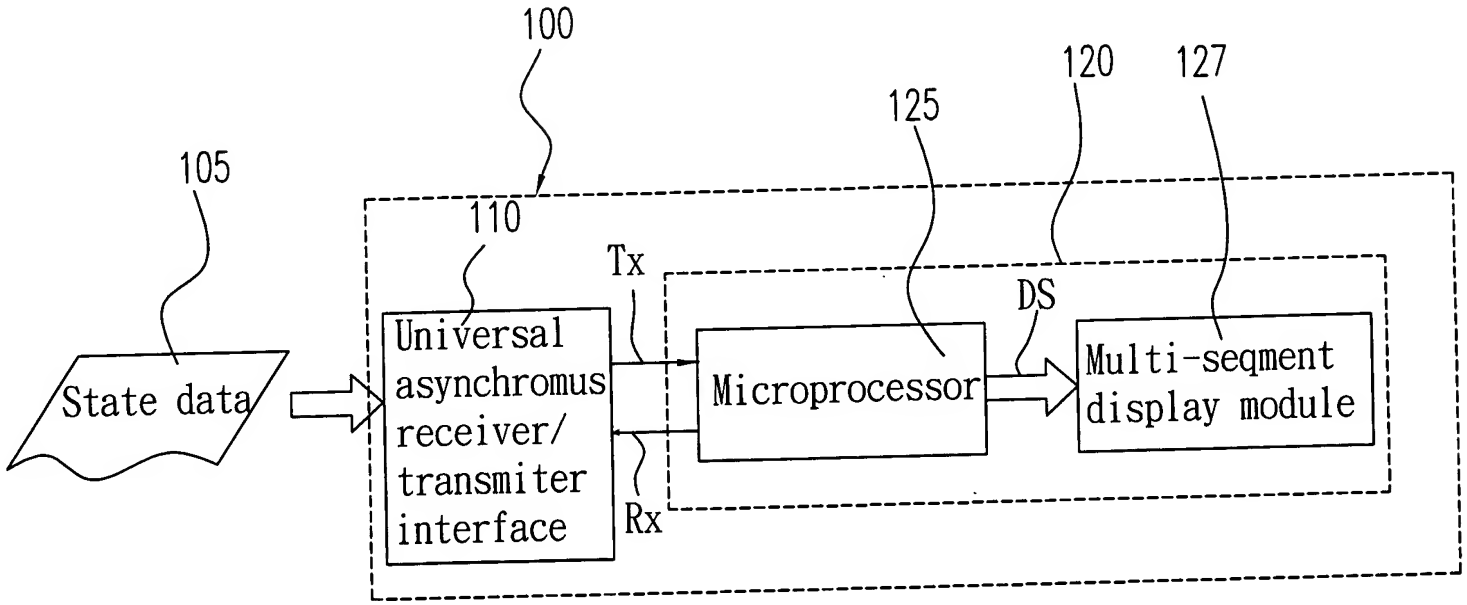
100
120
127
125
105
110
Tx
DS
State data
Universal
asynchromus
receiver/
transmiter
interface
Microprocessor
Multi-seqment
display module
Rx

FIG. 1

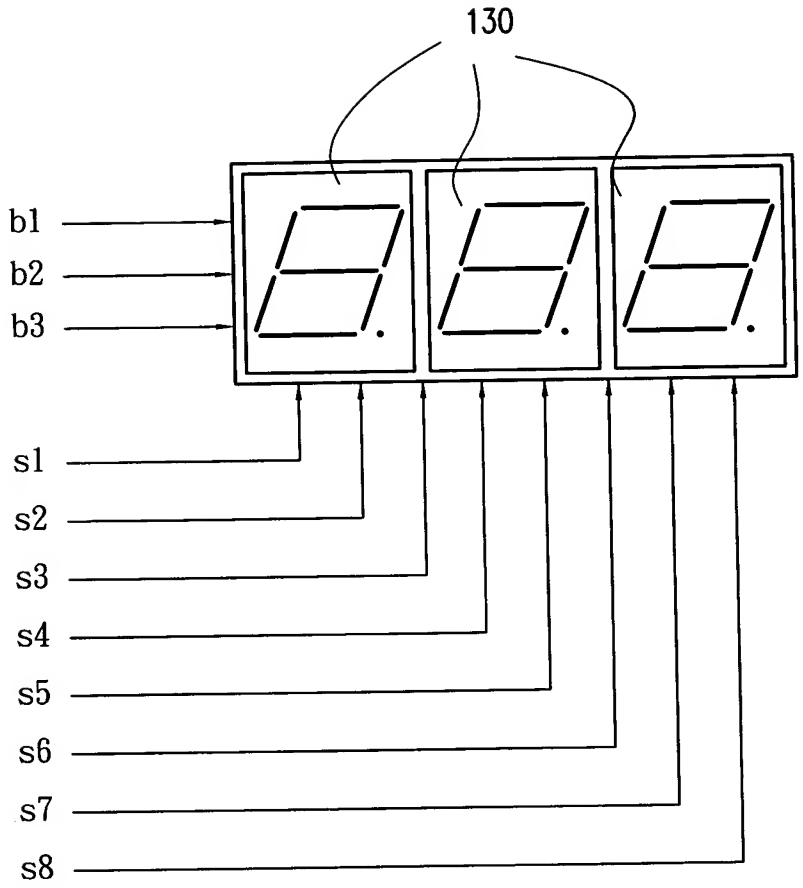


FIG. 2A

FIG. 2B

FIG. 2C

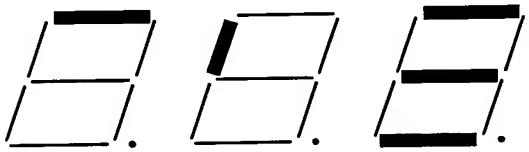

FIG. 2D

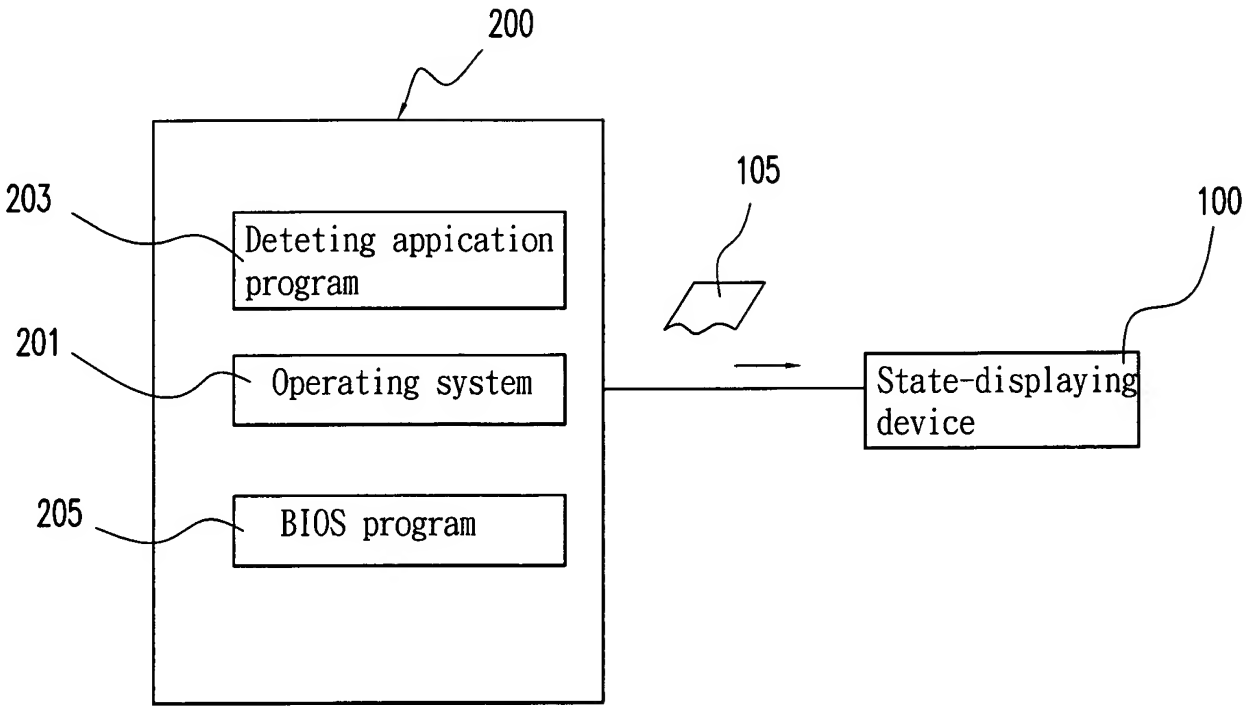
200
203
Deteting appication program
201
Operating system
205
BIOS program
105
100
State-displaying device

FIG. 3

| Displayed symbols | Executed processes | Meanings of wrong messages |
|---|---|---|
| 8. 8. 8. | Initializing the CPU | Error of the CPU |
| P01 | Initializing BIOS | Error of the power-on block |
| P02 | Checking BIOS | Total error of BIOS ROM |
| P03 | Performance of memory examination | Error of decompressing |
| P04 | Decompressing BIOS | |
| P05 | Checking the CPU | |
| P06 | Setting BIOS | |
| P07 | Checking the AC status | |
| P08 | RAID BIOS | Error of RAID |
| P09 | Initializing the power on elements | No power on elements |
| P10 | System booting | Booting failure |

FIG 4

| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|---|---|---|---|---|---|---|---|
| On/off | CMD 1 | CMD 0 | SEL 4 | SEL 3 | SEL 2 | SEL 1 | SEL 0 |

FIG. 5

| Displaying bits | Results | Displaying bits | Results |
|---|---|---|---|
| 00h | P00 | 10h | P16 |
| 01h | P01 | 11h | P17 |
| 02h | P02 | 12h | P18 |
| 03h | P03 | 13h | P19 |
| 04h | P04 | 14h | P20 |
| 05h | P05 | 15h | P21 |
| 06h | P06 | 16h | P22 |
| 07h | P07 | 17h | P23 |
| 08h | P08 | 18h | P24 |
| 09h | P09 | 19h | P25 |
| 0Ah | P10 | 1Ah | P26 |
| 0Bh | P11 | 1Bh | P27 |
| 0Ch | P12 | 1Ch | P28 |
| 0Dh | P13 | 1Dh | P29 |
| 0Eh | P14 | 1Eh | P30 |
| 0Fh | P15 | 1Fh | P31 |

**FIG. 6**